



0 100
This drawing may have been reduced
original scale: 1:100m

Reference Drawings Legend Notes

- SHEQ NOTES**
- WARNING AS SITE WORKS PROGRESS, ADDITIONAL SERVICES MAY BE IDENTIFIED THAT ARE NOT SHOWN ON THESE DRAWINGS. HS&T SHALL BE TAKEN AS GUIDANCE FOR AVOIDING DAMAGE FROM UNDERGROUND SERVICES.
 - THE CONTRACTOR SHALL PRODUCE CLEAR METHOD STATEMENTS AND RISK ASSESSMENTS WHICH ARE TO INCLUDE MEASURES FOR CONTROLLING THE IMPRESSED VOLTAGE CONDITIONS AND FOLLOW THESE AT ALL STAGES OF CONSTRUCTION.

- GENERAL NOTES**
- ALL WORKS TO BE CARRIED OUT BY COMPETENT PERSONNEL.
 - BOAT OF GARTEN SUBSTATION RATING 132KV 305KA 31.5MVA 3A.
 - THE INFORMATION PROVIDED IS TO BE TAKEN AS A GENERAL GUIDE AND THE ACCURACY CANNOT BE GUARANTEED. THE ACTUAL POSITION OF SERVICES MUST BE VERIFIED AND ESTABLISHED ON SITE BEFORE ANY MECHANICAL EXCAVATION TAKES PLACE.
 - ALL SURVEY INFORMATION IS REFERENCED TO ORDNANCE SURVEY NATIONAL GRID COORDINATES.
 - TRENCH CROSS SECTIONS ARE TAKEN IN THE DIRECTION SHOWN BY THE ARROW ON THE SECTION MARKER.
 - CABLE TO BE PULLED IN THE SAME DIRECTION AS THE INSTALLATION OF THE PUSH-FIT DUCTS.

- MATERIAL SPECIFICATION**
- INSTALLATION OF HV CABLE SYSTEM TO BE IN ACCORDANCE WITH SP-PS-LI-2300 REV 01 AND NITS 3.05.07 ISSUE 10.
 - 150mm/160mm PVC DUCTS TO BE PUSH FIT FITS WITH COATED SPOUT ENDS AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LI-2300 REV 01 AND EN TS 12-11.
 - SELECTED SAND TO BE IN ACCORDANCE WITH SP-PS-LI-2300 REV 01 AND NITS 3.05.07 ISSUE 10.
 - CONCRETE SPECIFICATION MINIMUM STRENGTH GRADE C20/25. NO REINFORCEMENT TO BE USED.
 - POLYMERIC CABLE COVERS TO BE A MINIMUM OF 14mm THICK AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LI-2300 REV 01 AND NITS 3.05.07 ISSUE 10. CABLE COVERS TO BE OVERLAPPED TO ENSURE CABLES HAVE A MINIMUM COVERING OF 50mm ON EACH SIDE.
 - CABLE WARNING TAPE TO BE A MINIMUM OF 2.5mm THICK AND TO BE INSTALLED IN ACCORDANCE WITH SP-PS-LI-2300 REV 01 AND NITS 3.05.07 ISSUE 10.
 - 8mm OD OTS MILD DUCT TO BE INSTALLED IN ACCORDANCE WITH SP-NET-CAB-502 AND NITS 3.05.07 ISSUE 6.
 - 150mm/110mm FIBRE OPTIC DUCT TO BE RIGID PVC MANUFACTURED TO BE EN 61386-34 AND TO BE COLOURED GREEN. 100mm/100mm DUCT TO HAVE 4mm HDPE SUB DUCTS WITH 30mm ID AND 30mm OD. FIBRE OPTIC DUCTS TO BE INSTALLED IN ACCORDANCE WITH W-PS-733 REV 03.
 - ODOMETRIC WAMP TO BE INSTALLED TO ENSURE SELECTED SAND BACKFILL AND DUCTS HAVE COMPLETE ENCLOSURE. GEOMETRIC WAMP TO BE OVERLAPPED BY 100mm AT EACH SECTION.
 - CABLE MARKER POSTS ARE TO BE INSTALLED AT EACH CHANGE IN DIRECTION OF THE DUCTS, AT EACH FLEED OR LAND BOUNDARY, EITHER SIDE OF ROAD CROSSINGS, AT EACH WATER COURSE CROSSING AND EVERY 50m ON STRAIGHT SECTIONS.

REFERENCE INFORMATION

9980_CAB_132KV_MAG1-MAG2_SQPL_1110_1001_01_Rev_02
 9980_CAB_132KV_MAG1-MAG2_SQPL_1110_1001_01_Rev_02
 9980_CAB_132KV_MAG1-MAG2_SQPL_1110_1005_01_Rev_02
 9980_CAB_132KV_MAG1-MAG2_SQPL_1110_1004_01_Rev_02

FOR ACCEPTANCE. JOINT BAY COORDINATES UPDATED.	03								
PART B FOR ACCEPTANCE.	02								
FOR ACCEPTANCE.	01								
FIRST ISSUE									
Revision	PI	Description	Drawn	KV	Checked	TK	Approved	AH	
Revisions									



Project DOCHARN - BOAT OF GARTEN
132KV UNDERGROUND CABLES

Title CABLE ROUTE OVERALL LAYOUT

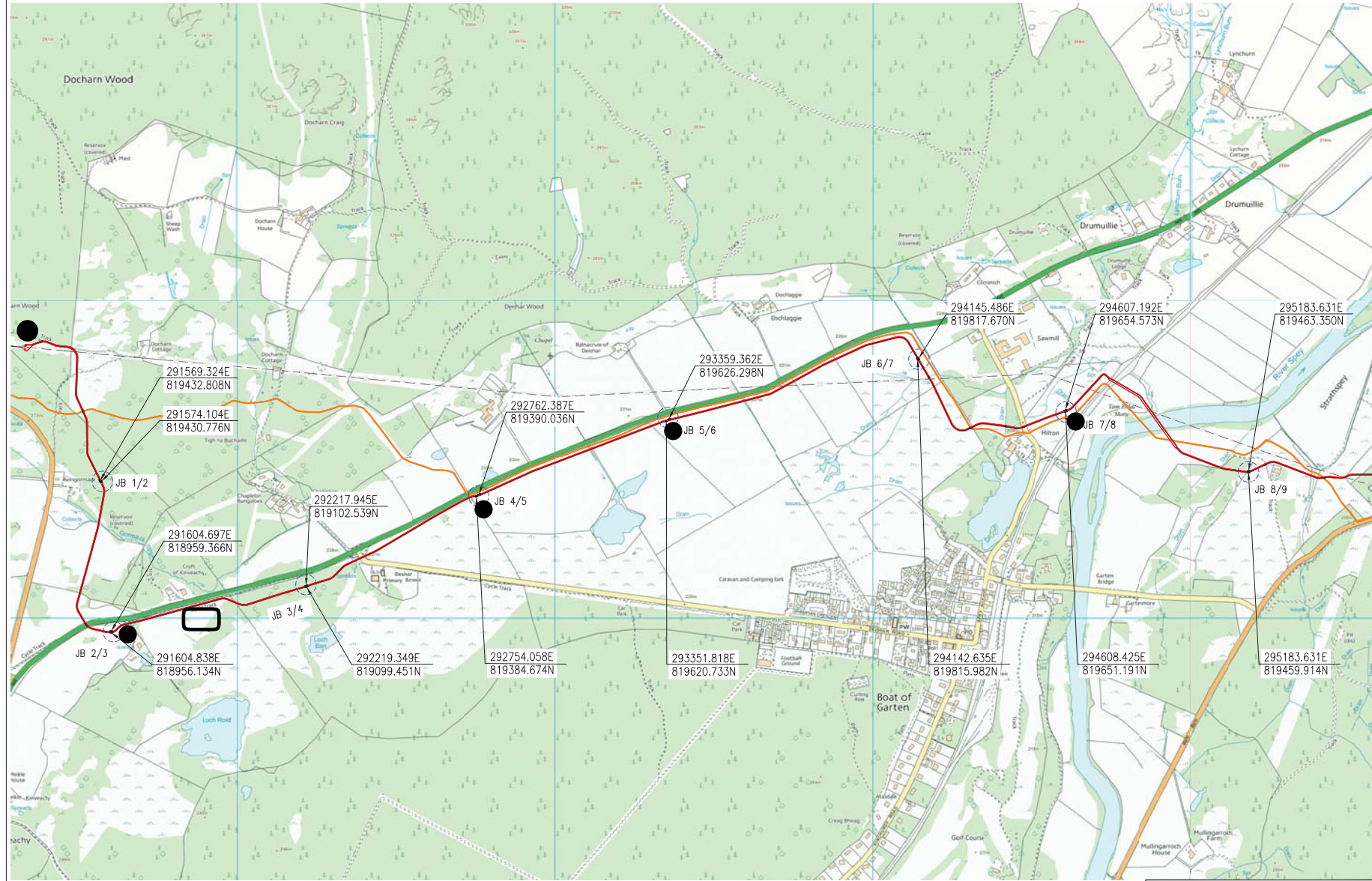
Scale NTS Drawn KV Checked TK Approved AH
 (when placed on A1) Date 02/05/2018 Date 02/05/2018 Date 09/08/2018

CAD Ref S:\Lundon\Projects\3001462 - SEEN Boat of Garten - Ducts\09_CAD\03_BH\04_Les

Project number	BH drawing number	Revision
30001462	IDE-0001	03

Project number	MS drawing number
LT-183	MS-4-T183-0422-0101-LAY-0002

SEEN Drawing number
9980_CAB_132KV_MAG1-MAG2_DHWG_1110_1001_01



FOR ACCEPTANCE